CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency : M.S.V. Constructions Company, Contractor, Bangalore.

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.110	334.9	14.88
2	10.01.2022	17.01.2022	8.120	339.8	15.10
3	10.01.2022	17.01.2022	8.141	342.6	15.23

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS:

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.188	506.2	22.50
2	10.01.2022	07.02.2022	8.197	508.3	22.59
3	10.01.2022	07.02.2022	8.204	510.7	22.70

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.110	334.9	14.88
2	10.01.2022	17.01.2022	8.120	339.8	15.10
3	10.01.2022	17.01.2022	8.141	342.6	15.23

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	168	168	1.7	98.3	95-100
22.4	2496	2664	26.6	73.4	60-80
11.2	2172	4836	48.4	51.6	40-60
4.75	1841	6677	66.8	33.2	25-40
2.36	1175	7852	78.5	21.5	15-30
0.600	585	8437	84.4	15.6	8-22
0.075	1215	9652	96.5	3.5	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Query regarding the report must be reported within 30 days from the date of testing.

FOR CIVIL AIM CONSULTANTS & ENGINEERS

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

GRADATION FOR WMM

lient : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

gency : **M.S.V. Constructions Company, Contractor, Bangalore.**

ame of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

S Code: : IS 2386 (Part 1):1963(RA 2011)

ate of Testing : 02.02.2022

aterial Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	205	205	2.1	98.0	95-100
22.4	2519	2724	27.2	72.8	60-80
11.2	2162	4886	48.9	51.1	40-60
4.75	1841	6727	67.3	32.7	25-40
2.36	1179	7906	79.1	20.9	15-30
0.600	619	8525	85.3	14.8	8-22
0.075	1212	9737	97.4	2.6	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

FOR CIVIL AIM CONSULTANTS & ENGINEERS

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	185	185	1.9	98.2	95-100
22.4	2537	2722	27.2	72.8	60-80
11.2	2155	4877	48.8	51.2	40-60
4.75	1851	6728	67.3	32.7	25-40
2.36	1190	7918	79.2	20.8	15-30
0.600	583	8501	85.0	15.0	8-22
0.075	1230	9731	97.3	2.7	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of issue.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 02.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	202	202	2.0	98.0	95-100
22.4	2519	2721	27.2	72.8	60-80
11.2	2175	4896	49.0	51.0	40-60
4.75	1849	6745	67.5	32.6	25-40
2.36	1172	7917	79.2	20.8	15-30
0.600	619	8536	85.4	14.6	8-22
0.075	1219	9755	97.6	2.5	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

GRADATION FOR WMM

ient : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

gency : **M.S.V. Constructions Company, Contractor, Bangalore.**

ame of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

S Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 07.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	188	188	1.9	98.1	95-100
22.4	2491	2679	26.8	73.2	60-80
11.2	2149	4828	48.3	51.7	40-60
4.75	1843	6671	66.7	33.3	25-40
2.36	1188	7859	78.6	21.4	15-30
0.600	580	8439	84.4	15.6	8-22
0.075	1235	9674	96.7	3.3	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 07.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	175	175	1.8	98.3	95-100
22.4	2519	2694	26.9	73.1	60-80
11.2	2148	4842	48.4	51.6	40-60
4.75	1841	6683	66.8	33.2	25-40
2.36	1175	7858	78.6	21.4	15-30
0.600	625	8483	84.8	15.2	8-22
0.075	1241	9724	97.2	2.8	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 07.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	198	198	2.0	98.0	95-100
22.4	2473	2671	26.7	73.3	60-80
11.2	2175	4846	48.5	51.5	40-60
4.75	1819	6665	66.7	33.4	25-40
2.36	1172	7837	78.4	21.6	15-30
0.600	619	8456	84.6	15.4	8-22
0.075	1241	9697	97.0	3.0	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. ...rding the report must be reported within 30 days from the date of testing.

for CIVIL AIM CONSULTANTS & ENGINEERS

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

GRADATION FOR WMM

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

S Code: : IS 2386 (Part 1):1963(RA 2011)

Date of Testing : 07.02.2022

Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	207	207	2.1	97.9	95-100
22.4	2519	2726	27.3	72.7	60-80
11.2	2142	4868	48.7	51.3	40-60
4.75	1795	6663	66.6	33.4	25-40
2.36	1171	7834	78.3	21.7	15-30
0.600	612	8446	84.5	15.5	8-22
0.075	1185	9631	96.3	3.7	0-5

te:

he report shall not be reproduced, except in full, without the written approval of the laboratory.

he results indicated above are based on the tests carried out on the samples collected at the site.

ny Query regarding the report must be reported within 30 days from the date of testing.

CONSULTANTS & ENGINEERS

Authorised Signatory

1, Satvika Nilaya, Opp. Widia Poorna Prajna School,
iah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 02.02.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of the Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	294	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	23.04	**22.83**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 02.02.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of the Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	02.02.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	379	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	88	89	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	292	290	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	23.16	23.48	23.32

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS,

Authorised Signatory

o. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 07.02.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of the Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	07.02.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	381	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	294	293	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.63	23.10	**22.86**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 07.02.2022

Aggregate Impact Value

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of the Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
IS Code	IS 2386 (Part 4):1963(RA 2011)
Type of Mix	Wet Mix macadam
Date of Testing	07.02.2022

Sl No.	Details	Test No. 1	Test No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	381	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	86	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	296	296	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.31	22.51	22.41

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%(As per MORTH Specication table 400.12)

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Date of Testing	02.02.2022

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	12.10	12.50	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	12.70	13.20	
	Combined Flakiness & Elongation index	24.80	25.70	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Date of Testing	02.02.2022

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	11.50	12.10	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	13.60	13.20	
	Combined Flakiness & Elongation index	25.10	25.30	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Date of Testing	07.02.2022

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	11.40	11.70	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	12.50	12.50	
	Combined Flakiness & Elongation index	23.90	24.20	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**M.S.V. Constructions Company, Contractor, Bangalore.**
Name of Work	Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)
BIS code:	IS 2386(Part 1) 1963 (RA 2011)
Type of Mix	Wet Mix Macadam
Date of Testing	07.02.2022

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	12.10	12.00	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	13.50	13.30	
	Combined Flakiness & Elongation index	25.60	25.30	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected at the site.

→ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : **AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency :**M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 31.01.2022 to 02.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	23.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : **AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency :**M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 31.01.2022 to 02.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

o. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
amaiah Layout, Nagasandra, Bangalore - 560 073.
ı: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency :M.S.V. Constructions Company, Contractor, Bangalore.

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 31.01.2022 to 02.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	19.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency :M.S.V. Constructions Company, Contractor, Bangalore.

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 05.02.2022 to 07.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	20.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
maiah Layout, Nagasandra, Bangalore - 560 073.

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 02.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency :M.S.V. Constructions Company, Contractor, Bangalore.

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 31.01.2022 to 02.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	22.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : **AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency :**M.S.V. Constructions Company, Contractor, Bangalore.**

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 05.02.2022 to 07.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	20.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency :M.S.V. Constructions Company, Contractor, Bangalore.

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 05.02.2022 to 07.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	20.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date : 07.02.2022

ATTERBERG LIMITS TEST FOR WMM

Client : AAssistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency :M.S.V. Constructions Company, Contractor, Bangalore.

Name of Work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

IS Code: : IS 2720(Part 5):1985

Date of Testing : 05.02.2022 to 07.02.2022

Material Type : Wet Mix Macadam

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	22.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 02.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.

Agency : M.S.V. Constructions Company, Contractor, Bangalore.

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.02.2022	02.03.2022	8.142	501.9	22.31
2	23.02.2022	02.03.2022	8.155	505.7	22.48
3	23.02.2022	02.03.2022	8.157	506.3	22.50

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

o. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
amaiah Layout, Nagasandra, Bangalore - 560 073.
h: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.02.2022	23.03.2022	8.178	702.9	31.24
2	23.02.2022	23.03.2022	8.186	707.7	31.45
3	23.02.2022	23.03.2022	8.197	708.4	31.48

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner

CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/MSV/W.No.14/2021-22 Date: 02.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **M.S.V. Constructions Company, Contractor, Bangalore.**

Name of the work : Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th B, 17th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads and Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 2017-18 (2)(4 Works)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.02.2022	02.03.2022	8.125	501.2	22.28
2	23.02.2022	02.03.2022	8.137	506.9	22.53
3	23.02.2022	02.03.2022	8.142	508.7	22.61

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

o. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
amaiah Layout, Nagasandra, Bangalore - 560 073.
n: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CamScanner